



陕西声科电子科技有限公司
SHAANXI SHENGKE ELECTRONIC TECHNOLOGY CO.,LTD
TEL: 029-88858601 FAX: 029-88858601
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SK-R800N 80GHz Radar Level Transmitter

The SK-R800N is an 80 GHz FMCW radar transmitter for continuous level measurement of Liquid, Simple Solid, and open water application.

- * High frequency: 80GHz, More Focus.
- * Accuracy: ± 2 mm(liquid), ± 5 mm(solid)
- * PTFE sealed antenna, not affected by temperature, condensate water.
- * Small emitting angle: $\pm 3.5^\circ$.
- * G2 thread connection, customized thread/flange.



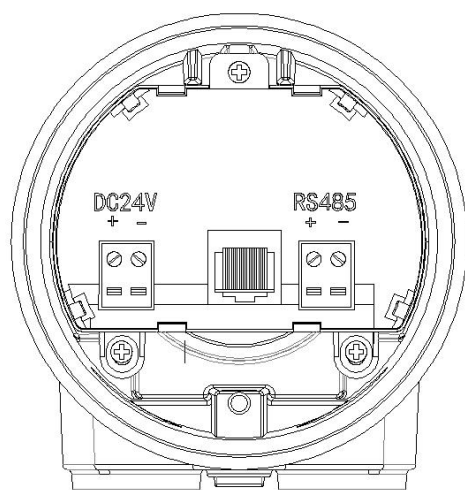
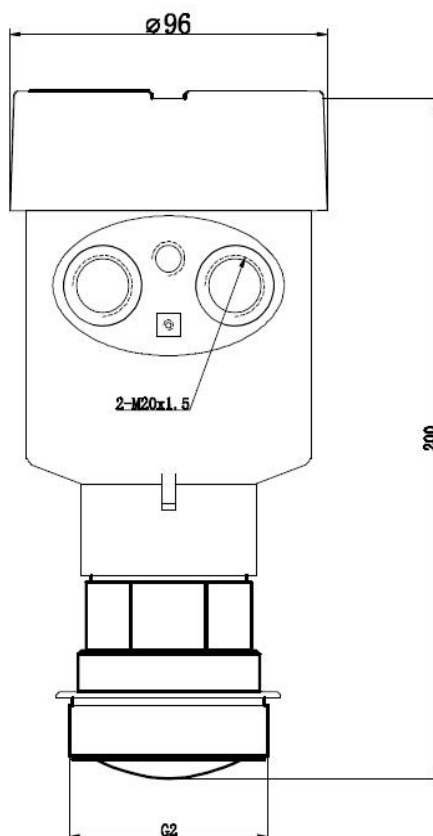
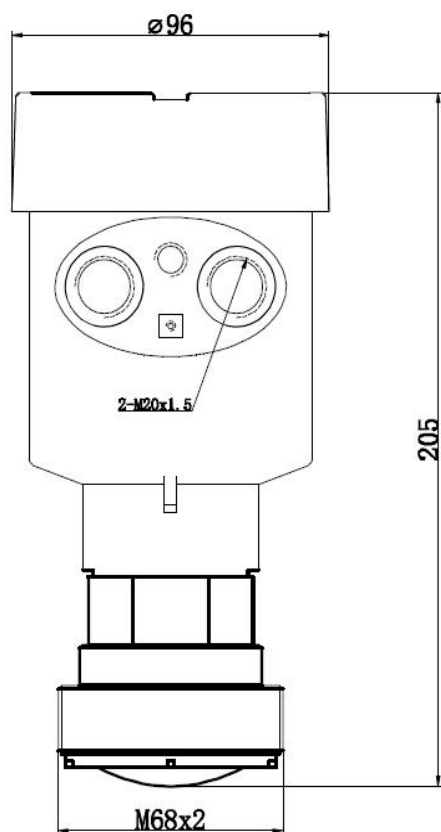


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Sizes:





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Specification

Model	SK-R800N
Product Type	FMCW Radar Level Transmitter
Application	*Simple liquid Measurement (exp: water, up to 30m) *Standard liquid measurement (exp: Corrosive chemical) *Simple solid measurement
Frequency	77GHz-81GHz
Measurement Range	Liquid: 0.2-30m *Solid: 0.2-30m, depends on solid medium
Accuracy	±2mm for liquid ±5mm for solid
Beam Angle	±3°
Antenna Material	SS 304/Sealed PTFE
Process Connection	Default G2 Thread; Thread and flange is customized
Process Temperature	-20°C to 70°C
Process Pressure	Normal atmospheric pressure
Signal output	4-20mA/RS485(Modbus - RTU)/Hart
Power	Two-wire DC 24V (22V~30V)
Protection	IP67
Explosion-proof	Exd II CT6Gb
Sizes:	96mmx200mm weight: 2kg



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SK-R800N Model Selection

SK-R800	80GHz Radar Level Transmitter (PP housing, with display)								
	Code	Medium Type							
	N/NS	Liquid/Solid							
		Code	Measuring Range(m)						
		0.2~30	10	20	30				
			Code	Connection					
			G	GThread (G2)					
			F	Flange					
				Code	Temperature				
				N	-20-70°C				
					Code	Cable entry			
					M/N	M20×1.5(F)/1/2NPT			
						Code	Electronics		
						T	Two-wire 4...20mA		
						M	Modbus		
						H	HART		
							Code	Protection	
							P	IP67	
								Code	Explosion-proof
								E	Ex db ia IIC T6 Gb
SK-R800	N	10	G	N	M	TMH	P	E	